

roomenom ochaon

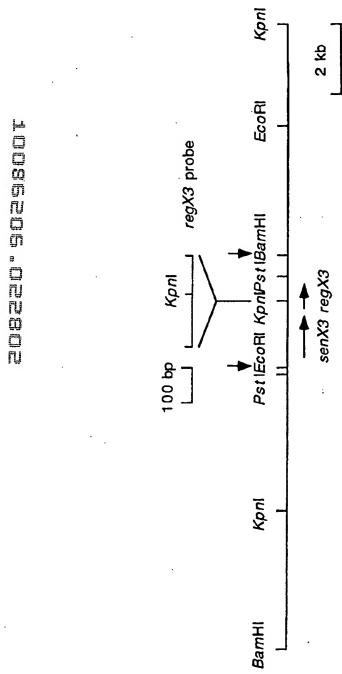


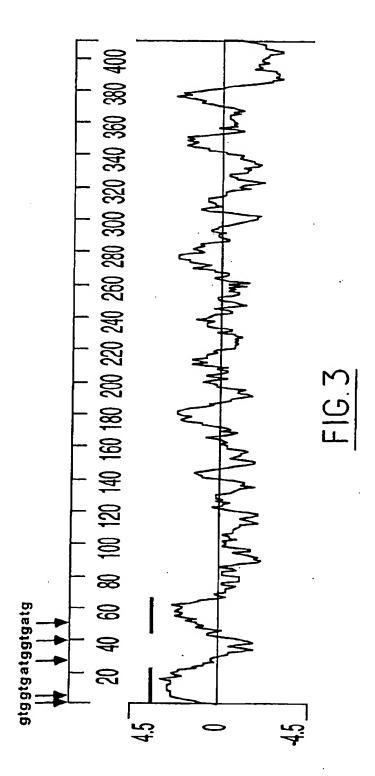
FIG. 18

				P					ACC I						-						-	TGG G	55
									CÀG A												GG(CCG R	115
G	_		->	•																			175
CC	GC1	rgt'	TTG	CC	VAA	CAC	CA	TGT	'GAA	CGC	STA	ACC	GA	AC	AGC'	TGT	GGC	GT	AGT	GTG	TG	ACT	235
TG	TC	CGA'	TTT	TG	SCC	TT(SCC	GCG	CTA	GGG	GCG.	ACG	TT	CA	CCG	GAT	TTG	TAC		TTT	TC	CTT	295
									GC1									GGG	CAC				355 20
		3 -																					
GG G									GAC T														415 40
		agt W							TTC S														475 60
CT L	GG(GCG(CCG A	CG	GTG /	GTO V	GGA D	CAC T	CCA H	TCC R	ÇG. D	ACG V	TT	GT(V	CTA Y	CCT L	caa N	CG? E	AAC(R	GGG A	CC.	AAA K	535 <i>80</i>
									CCA Q														595 100
									GTC S					-									655 120
CG	ATC	ccc	cc	ומיד	ירא	GT(-CA	ፐርር	CCA	ጥርር	יררו	CCT	ידכ	ርጥ(: 20:	rca.	CCA	DC1	אררי	3CC	cc'	rrc	715
																							140
GC	CGI	יהה:	רהי	ፐርር	TG	CAC	יכם	רר ג	CTC	CCI	ኒጥጥን	ልጥር	cc	cec	TAT	GGA	GGC	้ดดด	ጉጉ ጉጉ	GC	GTO	GAC	775
																							160
TT F	CG1	ODD1	CCA N	ACC	ITC.	AG1	CA	CGA F	GCT L	CAP	GA(CGC	CC	GT(CGG'	TGC A	CAT M	GG(CTC:	ràc L	TC	GCC A	835 180
₹.	•	,		2		_	<u>†</u>	Н						<u> </u>	_	••	••		_		•	,	

GAGGCGCTGCTGGCGTCGGCCGACGACTCCGAAACCGTTCGGCGGTTCGCCGAGAAGGTG 895 E A L L A S A D D S E T V R R F A E K V CTCATTGAGGCCAACCGGCTCGGTGACATGGTCGCCGAGTTGATCGAGCTATCCCGGCTA 955 LIEANRLGDMVAELIELSRL CAGGGCGCCGAGCGGCTACCCAATATGACCGACGTCGACGTCGATACGATTGTCGGAA 1015 Q G A E R L P N M·T D V D V D T I V S E 240 GCGATTTCACGCCATAAGGTGGCGGCCGACAACGCCGACATCGAAGTCCGCACCGACGCG 1075 AISRHKVAADNADIEVRTDA 260 CCCAGCAATCTGCGGGTGCTGGGCGACCAAACTCTGCTGGTTACCGCACTGGCAAACCTG 1135 P S N L R V L G DQTLL<u>VTALAN</u>L GTTTCCAATGCGATTGCCTATTCGCCGCGCGGGTCGCTGGTGTCGATCAGCCGTCGCCGT 1195 V S N A I A Y S P R G S L V S I S R R R CGCGGTGCCAACATCGAGATCGCCGTCACCGACCGGGGCATCGCGCCGGCAGGAC 1255 RGANIEIA <u>V T D RGIGIA</u> PED 320 CAGGAGCGGGTCTTCGAACGGTTCTTCCGGGGGGACAAGGCGCGCTCGCGTGCCACCGGA 1315 QER<u>VFERF</u>FRGDKARSRATG. 340 GGCAGCGGACTCGGGTTGGCCATCGTCAAACACGTCGCGGCTAATCACGACGGCACCATC 1375 GSGLGL AIVKHVAANHDGTI 360 CGCGTGTGGAGCAAACCGGGAACCGGGTCAACGTTCACCTTGGCTCTTCCGGCGTTGATC 1435 RVWSKPGTGSTFTLALPALI GAGGCCTATCACGACGACGAGCGCCGAGCAGCGCGGGGGGCCCGAACTGCGGTCAAAC 1495 EAYHDDERPEQAREPELRSN 400. AGGTCACAACGAGAGGAGGAGGCCGATGACCTGCGCCGACGACGATGCAGAGCGTA 1555 RSQREEELSR 410

GCGATGAGGTGGGGGCACCACCCGCTTGCGGGGGAGAGTGGCGCTGATGACCTGCGCCGA 1615 CGACGATGCAGAGCGTAGCGATGAGGTGGGGGGCACCACCCGCTTGCGGGGGAGAGTGGCG 1675 CTGATGACCAGTGTTGATTGTGGAGGACGAGGAGTCGCTGGCCGATCCGCTGACGTTT 1735 M T S V L I V E <u>D</u> E E S L A D P L T F RegX3 → CTGCTGCGCAAGGAGGGCTTTGAGGCCACGGTGGTGACCGATGGTCCGGCAGCTCTCGCC 1795 LLRKEGFEATVVTDGPAALA GAGTTCGACCGGGCCGGCCGACATCGTCCTGCTCGATCTGATGCTGCCTGGGATGTCG 1855 E F D R A G A D I V L L D L M L P G M S GGTACCGATGTATGCAAGCAGTTGCGCGCTCGGTCCAGCGTTCCGGTGATCATGGTGACC 1915 G T D V C K Q L R A R S S V P V I M V T GCCCGGGATAGCGAGATCGACAAGGTGGTCGGCCTGGAGCTGGGCGCTGACGACTACGTG 1975 ARDSEIDKVVGLELGADDYV ACCAAGCCCTATTCGGCACGCGAGTTGATCGCACGCATCCGCGCGGTGCTGCGCCGTGGC 2035 T K P Y S A R E L I A R I R A V L R R G GGCGACGACGACTCGGAGATGAGCGATGGCGTGCTGGAGTCCGGGCCGGTTCGCATGGAT 2095 GTGGAGCGCCATGTCGTCTCGGTGAACGGTGACACCATCACGCTGCCGCTCAAGGAGTTC 2155 V E R H V V S V N G D T I T L P L K E F GACCTGCTGGAATACCTGATGCGCAACAGCGGGGGGGTGTTGACTCGCGGACAACTGATC D L L E Y L M R N S G R V L T R G Q L I 179

GACCGGGTCTGGGGTGCGGACTACGTGGGCGACACCAAGACGCTCGACGTCCATGTCAAG 2275 DRVWGADYVGDTKTLDVHVK CGGCTGCGCTCCAAGATCGAAGCCGACCCGGCTAACCCGGTTCACTTGGTGACGGTGCGC 2335 R L R S K I E A D P A N P V H L V T V R GGGCTGGGCTACAAACTCGAGGGCTAGCGGACGCCGACAACCTTGGCGACTGTCTGGTCG 2395 GLGYKLEG 227 GCTACGGCCAGTGCCATCGCCATGATGGACAGCTGCGGGTTCACTTCCGGGCAGCTGGGC 2455 ACCGGACAAAGCTGCTCGTCGGCGCCGGCGGCGCGGTGCCCGTCGGATGGAAGGCGGCC 2575 AGGTGCAGGCTTCTGGGGTTGGCTCGGCGCAGCACATCCTGCAGCTCGGGCAGGGACCGC 2635 ATCGGTGGGGCGCCGGGGATACCGGTCAGCACCTCCACCGCGCGGCGGCAAAGAACAGC 2695 CGGCCAATGGCCTGCAGCGCGACCCGTAGCTTGGCGATCTCACCTGGAGCTATGTCATAG 2755 CGCACCACCGTCTCGCCGCGCACCGACCGCACCGTGCCGACGCCCCGATCGGCCACCATC 2815 GCCCCGAATGTTGCGATCTGCGGCGCCCGGTCGAGCCAGCGGAGCAGCTCGGCCCCGTAG 2875 CCGGGGAAGACCATCGACCCCATGCCCGGCGGTGTGGAGGTGGCCTCGATCAGCACGCCG 2935 TCGGATTCGTGAAACTCGTGAACCGCCGCGCTCTGCAGCACCCCGCGCCACGCGAAGACG 2995 TCGTCGTCGAAGAGCCCGGCCAGCATAGTTGCCGGGTGCAGCGCAAGGTTGTGGCCCAGT 3055 CGCGGTGCCCACCAAGACCGCTGCGCCGCAACAGCCCTGGCGTCTCCGTCGCACCGGCGG 3115 CGACGACGACCGCCGCCAGCACGTCGAGTGTGGTGCCGTCGGGCCGGCGGGCTCGCA 3175 CGCCATAGGCCCGCCCGGCGCGCGTGCAGGATCC 3208



roaseos "oeese

A. BCG

GCT GAG CCG ATG ACC TGC GCC GAC GAC GAT GCA GAG CGT AGC GAT

M T C A D D D A E R S D

SANX3

L S R *

GAG GTG GGG GCA CCA CCC GCT TGC GGG GGA GAG TGG CGC TGA TGA E V G A P P A C G G E W R * *

M T

CCT GCG CCG ACG ACG ATG CAG AGC GTA GCG ATG AGG TGG GGG CAC

C A D D D A E R S D E V G A P
CAC CCG CTT GCG GGG GAG AGT GGC GCT GAT GAC CAG TGT

· M T S V → regX3

B. Mycobacterium tuberculosis

GCT GAG CCG ATG ACC TGC GCC GAC GAC GAT GCA GAG CGT AGC GAT

M T C A D D D A E R S D

senX3

L S R . *

GAG GTG GGG GCA CCA CCC GCT TGC GGG GGA GAG TGG CGC TGA TGA E V G A P P A C G G E W R * *

M T

CCT GCG CCG ACG ACG ATG CAG AGC GTA GCG ATG AGG TGG GGG CAC

C A D D D A E R S D E V G A P
CAC CCG CTT GCG GGG GAG AGT GGC GCT GAT GAC CTG CGC CGA CGA

M T C A D I P A C G G E W R * *

CGA TGC AGA GCG TAG CGA TGA GGA GGA GTG GCG CTG ATG ACC AGT

M T S regX3

D A E R S D E E E W R * *

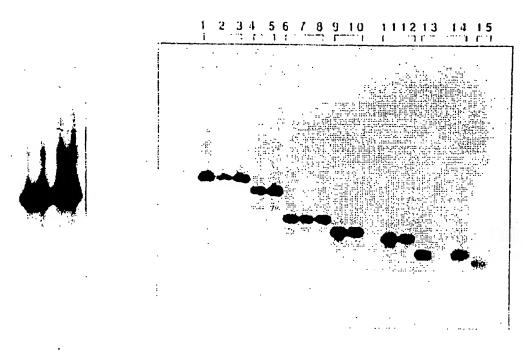


FIG.5

FIG.7

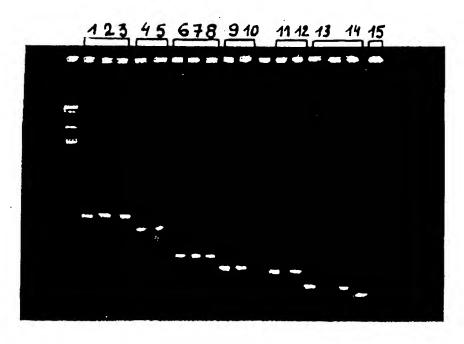


FIG.6